Ayoub Es-Sarghini

Software Engineer

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Profile

I'm a software engineering student at 1337 (42 Network) with a passion for crafting robust, efficient software solutions across industries. From low-level systems programming to high-level application development, I thrive on working with diverse technologies and tech stacks. Collaborative, project-based learning energizes me, and I love diving into complex challenges and turning them into elegant, working solutions.

Education

2023–Present	**Digital Technology Architecture**, *1337 Coding School — UM6P*, Benguerir, Morocco Project-based software engineering curriculum focused on web development, DevOps, and system architecture.
2020–2022	**Specialized Technician Diploma in Computer Development**, *OFPPT*, Beni Mellal, Morocco Project-based web and mobile app development.

Technical Skills

Languages	C, C++, Python, JavaScript, TypeScript, Java,Kotlin,Dart
Web & Frameworks	HTML5,Bootstrap,Tailwind Css, CSS3, Node.js, Fastify, Express, Angular, React, Spring Boot
Tools & Devops	Git, Docker
Databases	MySQL,SQL Server,Firebase, MongoDB, PostgreSQL,Access
Design & Modeling	Merise,UML, Figma, Adobe Photoshop, Adobe Illustrator

Technical Projects

RobotoJs	Developed a custom front-end framework in TypeScript inspired by React, featuring a reusable component-based architecture and virtual DOM for efficient UI updates.
Webserver	Implemented an HTTP/1.1-compliant web server in C++, handling request parsing, routing, non-blocking I/O using epoll, and CGI execution, mirroring core Nginx features.
Inception	Orchestrated a multi-container Docker environment with Docker Compose to deploy services (Nginx, MariaDB, WordPress), simulating a scalable DevOps infrastructure.
WanderWise	Built a full-stack travel reservation platform with Angular and Spring Boot; implemented user authentication, trip management, and payment integration.
Digital Banking	A digital banking app built with SpringBoot on the backend and Angular on the frontend, offering secure user authentication, real-time account and transaction management, and seamless money transfers. It features responsive interfaces for balance checks, fund transfers, all powered by RESTful APIs, JWT-based security, and a modern Angular component architecture.
Food App	Developed RESTful APIs and interactive UI with Spring Boot and Angular; integrated JWT authentication and role-based access.
Portfolio	Created React portfolio site showcasing projects and blog posts; features responsive design and contact form. `https://ayoub-es-sarghini.netlify.app/`
E-commerce Platform (Multi-vendor)	Designed and developed a multi-vendor e-commerce marketplace using Laravel and MySQL; implemented product catalog, shopping cart, order management, and admin dashboards for vendors.

Online Bookstore (Single-vendor)	Built a single-vendor online bookstore with Laravel and Stripe integration; features inventory management, full-text search, secure checkout, and user reviews.
Voice Assistant	A Java-based application that converts voice commands into actions like making phone calls, sending messages, and setting reminders. Utilizes Google Cloud Speech-to-Text for voice recognition and Apache OpenNLP for natural language processing to interpret and execute commands seamlessly.
Social Media Platform	QuoteShare lets you share favorite quotes with friends, like and comment on posts, bookmark inspirations, and discover new gems via hashtags and personalized feeds.

Languages

Arabic	Native proficiency
English	Professional working proficiency
French	Intermediate proficiency